

**Notice of Allowability**

Application No.

10/028,189

Examiner

Sam Chuan C. Yao

Applicant(s)

CHOI, KYUNG-JU

Art Unit

1733

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12-12-03.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☒ The drawings filed on 20 December 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
  - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

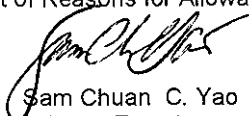
7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No. \_\_\_\_\_.
  - (b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1 <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 6 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____.   |
| 3 <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No. <u>12-20-01</u> | 7 <input type="checkbox"/> Examiner's Amendment/Comment                    |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                     | 8 <input type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9 <input type="checkbox"/> Other   |

  
Sam Chuan C. Yao  
Primary Examiner  
Art Unit: 1733

### REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

Choi (US 5,976,427), drawn to a process of making a filter media, teaches feeding attenuated multiple fibers layers from a spaced orifice zone in a feed path to a rotating collector zone in successive lower and upper fibers layers (figure 1); Shipp, Jr. et al (US 4,714,647), drawn to a process of making a filter media, teaches sequentially melt-blowing thermoplastic fiber layers onto a collector zone to form a laminate having fiber size gradient across its depth (abstract; figure 1); Nishino et al (US 5,628,844) teaches a process of forming an absorbent topsheet, the process comprises depositing 1<sup>st</sup> attenuated fiber layers onto a 1<sup>st</sup> rotary collector; feeding the 1<sup>st</sup> fiber layers onto a 2<sup>nd</sup> collector to form a mat, wherein the fibers in the mat comprises fiber layers having different fiber dimensions; and then depositing a 2<sup>nd</sup> attenuated fiber layer onto the 2<sup>nd</sup> collector so that, the 2<sup>nd</sup> attenuated fiber layer is combined and disposed over the 1<sup>st</sup> fiber layers (col. 6 lines 3-24; figure 3); however, none of these patents or other obtained references, applied individually or in combination, discloses a process of making a fiber media in the manner recited in either independent claim 1 or claim 13.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sam Chuan C. Yao whose telephone number is (571) 272-1224. The examiner can normally be reached on Monday-Friday with second Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Crispino can be reached on (571) 272-1226. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.



Sam Chuan C. Yao  
Primary Examiner  
Art Unit 1733

Scy  
01-16-04